

1 **ABSTRACT**

2

3 **Circulation Tool****Figure 1**

4

5 A downhole tool for circulating fluid in a well bore. The
6 tool includes an axial inlet and outlet with radial
7 second outlets. A sleeve moves over the second outlets to
8 control circulation of fluid. The sleeve can be
9 selectively locked in an opened or closed configuration
10 while the tool is in tension or compression. Variation of
11 fluid pressure in the work string and stroking the tool
12 move the sleeve between the operating positions. Cyclic
13 operation of the tool is also described.